Harvard University
HERBARIUM AND LABORATORIES
OF
CRYPTOGAMIC BOTANY
W. G. Farlow, 24 Quincy Street
R. Thaxter, 7 Scott Street

Algae received from Mr J. T. Zaull, Feb. 1905 collected at New Brunswick

Cambridge, Mass., U.S.A.

190 .

1 Phyllitis zosterifolius
2. Cladophora, a fragment
3 Ectocarpus
4 Sphacelaria furcigera Kütz.
5. Callithamnion
6 Stilophora rhizodes
7 Dictyosiphon
8 Polysiphonia varieganta.
9 Polysiphonia violacea
10 Polysiphonia nigrescens. ?
11 Polysiphonia nigrescens
12 " "
13. Enteromorpha compressa
14 " "
15 " "
16 Gracilaria multipartita
var. angustissima

17. Polysiphonia rotundata

18. Ceramium rubrum on Cystoclonium and a bit of Call. Kaileyanum.

19. Colletrix confervicola on Dictyosiphon

20. Cladophora. appears to be C. flexuosa but it is in too bad condition to name with certainty.

21. Cladophora gracilis

22. Ceramium

23. Chordaria flagelliformis

1. Nostoc sphaericum. Vauch.
E. Hazen. autumn 1884.

2. Nostoc. I cannot certainly say what species. What was its habit floating or fixed in water or on rocks or the ground?

3. This is not one of the Nostocaceae but one of the Palmellaceae. It is partially decomposed, however, and I cannot determine it.

4. Nostoc verrucosum. Vauch.

5. not a Nostoc but a Chaetophora. It seems to me to be probably the young of Chaet. endiviaefolia.

6. This is too far gone to be determined.

7. Cladophora glomerata, a long variety. no. 9 is apparently a condensed form of the same.

8.

algae from G. C. Holton. Beech nov. 1890.
numbers of smaller specimens.

Falkland Islands

1. Ballia callitricha
2. Heterosiphonia Berkeleyi
3. Ballia scoparia
4. Ptilota Harveyi.
5. Ballia callitricha.
6. Rhodomela patula with parasite
7. Nitophyllum laceratum
8. Callophyllis fastigiata
9. Acanthococcus spiniliger
10. Delesseria Lyallii
11. Ptilonia Magellanica
12. Callophyllis variegata
13. Numbers uncertain
14. Zoophyte.
15. Iridaea laminarioides
16. Delesseria Phyllophora (D. crassinervia) Fl. Antarct
17. Rhodymenia varioloza ?
18. Delesseria quercifolia

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19. Nitophyllum multinerve Felton nov. 1910

20. { Hydrolapathum sleptharocarpum Gepp
Delesseria salicifolia Reinsch

21. Utriculidium Durvillei Batters
Adenocystis Hooker

22. Nitophyllum Too young

X 23. Monostroma

24. Perhaps Iridaea but more like Nemastoma or Kallymenia Berg + Phys

25. = 16

26. Codium? mucronatum

27. Phloea Harveyi.

X 28 Ulva Lactuca latissima = Enteromorpha 23

29. Acanthococcus antarcticus

30. Griffithsia antarctica

31. Callithamnion

32. Iridaea dichotoma

33. Griffithsia (G. Corallina Fl. Antarct.?)

34. Iridaea dichotoma

35. Desmarestia aculeata Mont.

36. Plocamium coccineum

37. Heterosiphonia Berkeleyi

X 23 & 28 may be transposed

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38. Callophyllis variegata
40. Bryopsis Rosae
41. Acanthococcus antarcticus.
42. Callophyllis fastigiata

Helton
Nov. 1910

Large specimens
1. 3 & 8. Macrocystis pyrifera
2. Desmarestia Rosii.
4. Laminaria (Durvillaea) coapestipes?
5 & 6. Lessonia fuscescens
7. Lessonia flavescens (ovata)
also an unnumbered Iridaea
augustinae.

Rough dried
Durvillaea utilis. stipe,
Macrocystis pomifera

In boxes Amphiroa Arthrocardia
and zoophytes

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Algae from
Falkland Islands
Received Sept. 1909
See letter of Mrs
Constance Allardyce
Aug. 8. 1909.
Desmarestia Rossii
Colpomenia sinuosa?
Coralina sp.
Callophyllis variegata
Ptilota Harveyi
Ballia callitricha
Delesseria Lyallii.

No 2 Fern Kelp
grows in deep water
free form - branches
over 100 feet long

No 7 Tree Kelp.

grows on rock. (never dries)
trunks from 4 to 18 inches in
diameter from 4 to 20 feet in
height

No 1 - Spiroite bladder
Kelp -- grows in sand
over 150 feet in length or 200
No 3. common bladder
Kelp - grows in sand
very thick band all around
the islands & rocks. A clear
patch in this kelp denotes a
rock - from 50 to 150 in length
No 4 - Leather Kelps.
mostly dry at spring tides
some of the leaves measure
15 feet x 8 - x 1½.

Weight.

5 & 6 grow on the beach and are dry at spring tides

No 6 has the peculiarity of invariably having the leaves slit.

No 8 is a small bladder kelp.

The dried root is the whip kelp 10 to 50 feet.
(D. Antarctica)

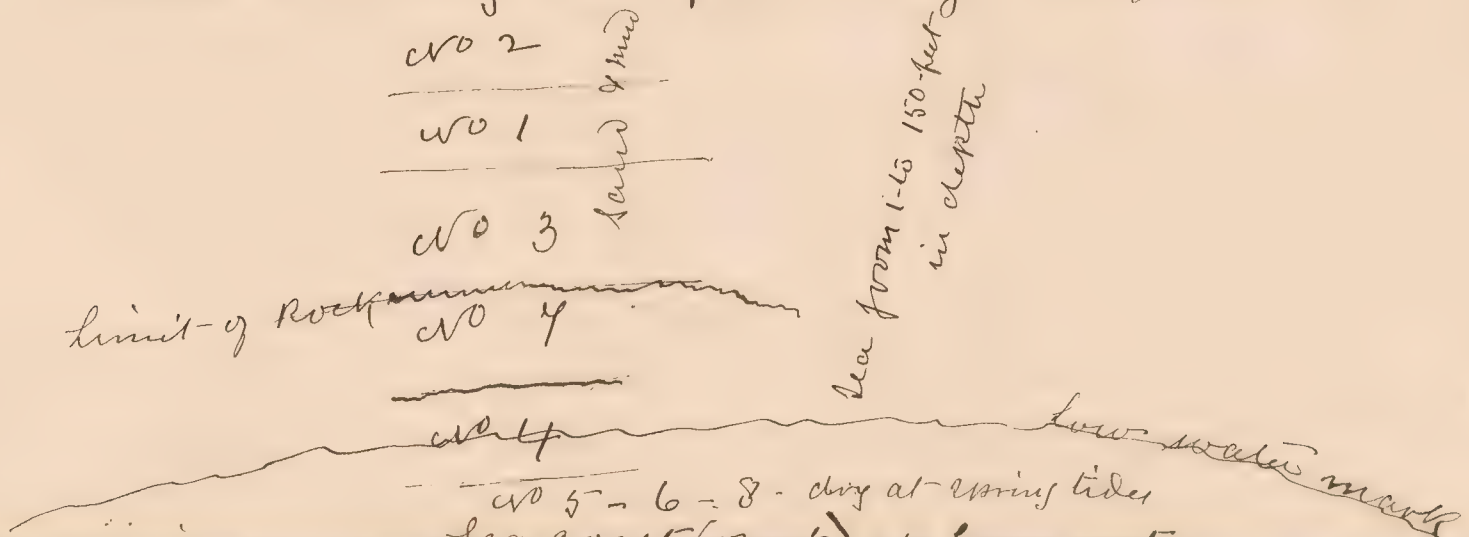
The bunch of seaweed that looks like hair, although it may be well known to you, is the first I have noticed. When fresh it was a mass of iridescent light, the light being intensified as the rays passed through the prisms.

It was very beautiful, and it seemed such a pity to dry it.

It is in the little wooden box

Cole

The natural distribution of the kelp can be ascertained by the following diagram



Fernald, M. L. Fernald
Gorge. 1905.

no. 141. on Aster foliaceus
Puccinia Asteris

125 on Vacc. ovalifolium
Exobas. Vaccinii

119. Omorhiza divaricata
P. Osmorhizae

130. Veronica alpina
var Unalaschcensis
~~Pucc. Veronicae Tolus~~
This seems to be
Pucc albulensis Magnus
Dry. to Pucc Porteri
Peck really an older
name for this species.

Cryptogams.
of Bolyant Expedition
July-Aug. 1908 to Ungava
Bay & Labrador received
from Mr. Fernald. Nov. 1909.

Thaeophorus fragilis
Stereocaulon coralloides
Cetraria Islandica Delisei
" cucullata
Solorina crocea.
Aulacomnium turgidum
Rhacomitrium lanuginosum
Rhytidiadelphus squarrosus
on Uva Ursi — Ursi,
a single Cantharellus?
or Craterellus?
Thamnum.

Fernald

From Labrador 1910,

4230. Stereocaulon tomentosum (Fr.) Th. Fr.

4231. Trematodon ambiguus (Hedw.) Bry. Eur.

4232. Bryum sp.?

4233. Polytrichum strictum Banks

4234. Ceratodon ??

4235 Bryum sp.?

4236. Tetraplodon mnioides (L.f.) Bry. Eur.

4237. Splachnum ampullaceum L.

4238. Sclerotium on Rhinanthus.

Fernald. Newfoundland

*6573. Nephroma arcticum
(L.) Ach.

*6572. Peltigera apthosa
(L.) Hoffm

*6554, 6576 (n 46)
Peltigera canina
L. Hoffm

*6548. Peltigera rufescens
vel canina.

*6564–6571
Cetraria aculeata
(Schreb.) Ach.

*6556. Icmadophila
ericetorum (L.) Aa Sohl.

*6555. Normandina
pulchrens

*6565. Lobaria pulmonaria
(L.) Hoffm.

×6570. Sphaeropleura
~~glot~~ coralloides Pers

×6542. Celularia Solandrina

×6566. Bicatara
granulosa

×6540. Cladonia deformis

×6547, 6541.
Cladonia crispatella.

×6549, ×6553, ×6562
Cladonia gracilis
elongata vel C. cornuta

×6541 = 6549?

×6568, ×6574, ×6563.
Cladonia gracilis hybrida.

Fernald. Lichens Newfoundland 1911

6538. Lecidea carneola
6539. Stereocaulon paschale
6540. Cladonia deformis Hoffm.
*6541. Cladonia gracilis (L.) Willd.
v. elongata (Jacq.) Flörke
6542. Cetraria Islandica (L.) Ach.
6543. Stereocaulon paschale (L.) Ach.
6544. Thelaschistes. very young.
6545. Stereocaulon paschale (L.) Ach.
6546 Peltigera canina (L.) Hoffm.
6547. Cladonia cristatella Tuckm.
6548. Peltigera rufescens (Jn.) Hoffm.
(vel P. canina?)
6549. Cladonia gracilis (L.) Willd.
v. elongata (Jacq.) Flörke
6552. Cladonia gracilis (L.) Willd.
v. dilatata (Hoffm.) Warnia
(= v. hybrida Tuckm.)
6553 = 6552.
6554. Peltigera canina (L.) Hoffm.
6555. Coniocium viride (Ach.) A. Zahl.
= Normandina laetevirens
6556. Icmadophila ericetorum (L.) A. Zahl.
6558. Cladonia pityrea (Flörke) Fr.
=C. fimbriata v. adspersa
6560. Alectoria jubata (L.) Nyl. also
Parmelia Physodes and P. sax

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6561, Cetraria?
*6562. Cladonia gracilis (L. Willd.)
v. elongata (Jacq.) Flörke
6563. Cladonia gracilis (L.) Willd.
v. dilatata (Hoffm.) Wainio
6564. On Betula nothing
6565. Lobaria pulmonaria (L.) Hoffm.
6566. Biatora granulosa
6567. Stereocaulon tomentosum E. Fries.
6568. Cladonia gracilis v. dilatata
6569. Cetraria aculeata (Schreb.) E. Fries
6570. Sphaerophorus coralloides Pers.
6571. Cetraria aculeata (Schreb.) E. Fries
6572. Peltigera aphthosa (L.) Hoffm.
6573. Nephroma arcticum (L.) E. Fries
6574. Cladonia gracilis. v. dilatata
6575. Stereocaulon tomentosum E. Fries
6590. Alectoria sarmentosa Ach.

6550. Cladonia
6557. Cladonia
6576. Cladonia